

PATENT ABSTRACTS OF JAPAN

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(54) TOOTHBRUSH

(57)Abstract:

PURPOSE: To provide a toothbrush with improved polishing effect by combining a bristle-planted brush part to a handle part via a reciprocation mechanism to cause the brush part to be effectively in contact with the teeth arrangement curve and gums and the bristle tips to easily reach a space between teeth and a hollow of dental caries.

CONSTITUTION: A brush hair part 1 to which brush hair 4 is planted, a connection body 2 formed by bending a wire rod, and a handle part to hold the end of the connection body inserted are constructed. A recess with a taper face 5 and a shaft hole to which a reciprocation shaft 7 of the connection body is inserted are constructed on the back side of the brush part 1. The tip part of the connection body 2 is rectangularly bent to form the reciprocation shaft 7 and the middle part is bent in a chevron shape corresponding to the reciprocation angle of the brush part 1. An inserting hole 10 to accept the rear part of the connection body 2 and a lateral direction small hole 11 are constructed on the handle part 3. Since the brush part 1 can be reciprocated within a reciprocation angle θ limited by the taper face 5, the brush face can rub the teeth arrangement in tight contact.

